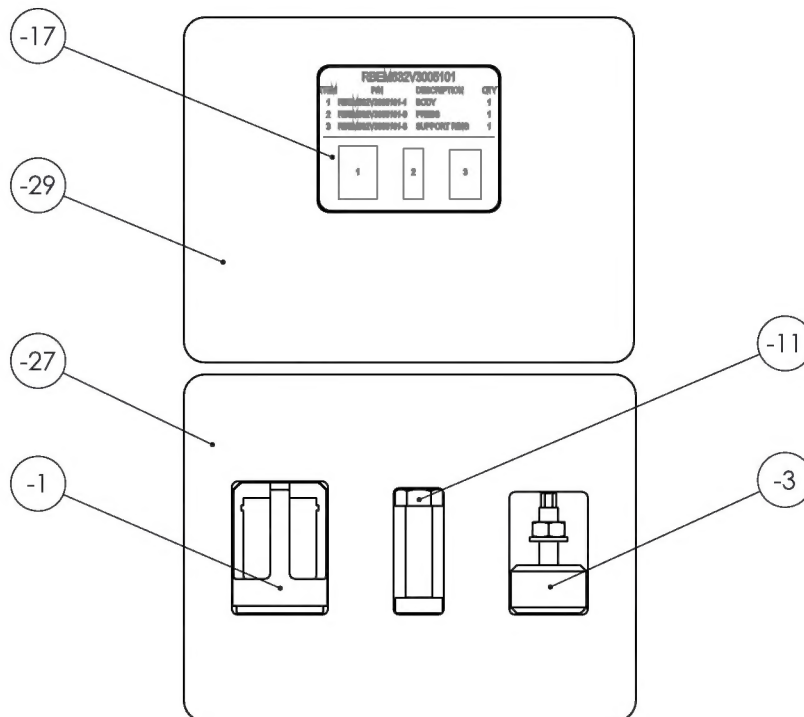


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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION	1/7/2016	RJC	JAG



ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
				-1	1	BODY	4140/4142		2
		X		-3	1	SUPPORT RING ASSEMBLY			3
	X	1		-5		SUPPORT RING WELDMENT			4
	1			-7		SUPPORT RING	4140/4142		5
	1			-9		SCREW	STEEL	M10 X 1.5 X 42mm (MCMaster-CARR #1078N13) MODIFIED	6
X				-11	1	PRESS			7
1				-13		DISC	WHITE DELRIN		8
1				-15		HEX HEAD CAP SCREW	S.S.	M14X2 X 50mm (MCMaster-CARR #91287A786) MODIFIED	7
				-17	1	LOCATION PLACARD	PLASTIC		10
		1	B/O	-19		HEX NUT	STEEL	M10 X 1.5 (MCMaster-CARR #92497A450)	3
		1	B/O	-21		FLAT WASHER	STEEL	M10 (MCMaster-CARR #91166A280)	3
1			B/O	-23		FLAT HEAD SCREW	S.S.	M5X.8 X 16mm (MCMaster-CARR #91801A280)	7
			B/O	-25	1	CASE	PLASTIC	PELICAN #APP-1200-E	N/S
			B/O	-27	1	BOTTOM FOAM	Y20 BLACK	2.93 X 7.23 X 9.41 (I.R. SPECIALTIES)	11
			B/O	-29	1	LID FOAM	Y20 BLACK	1.19 X 7.19 X 9.37 (I.R. SPECIALTIES)	12
			B/O		1	DART PLACARD	ALUMINUM	RB41011	N/S
ASSY -9	ASSY -5	ASSY -3							

NOTE:
REFERENCE AIRBUS T/N M632V3005101.



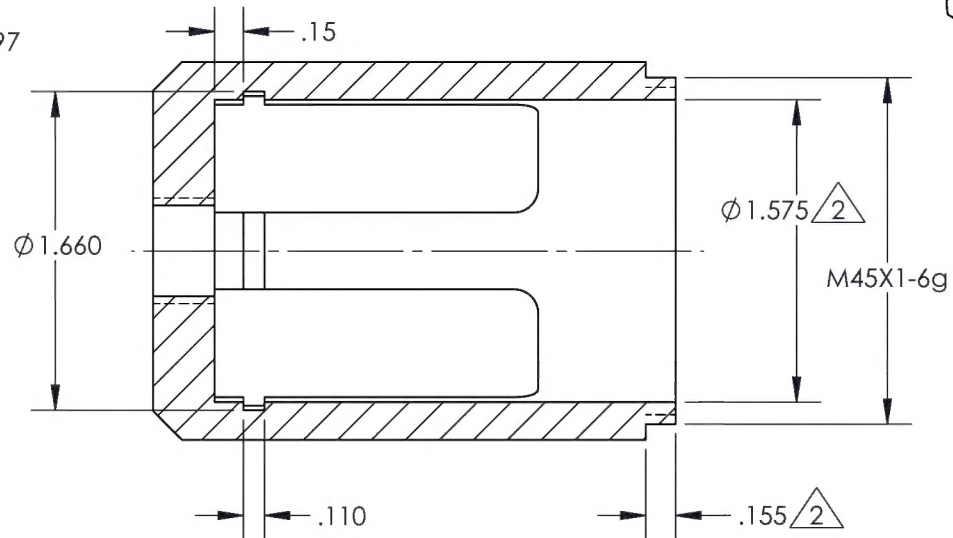
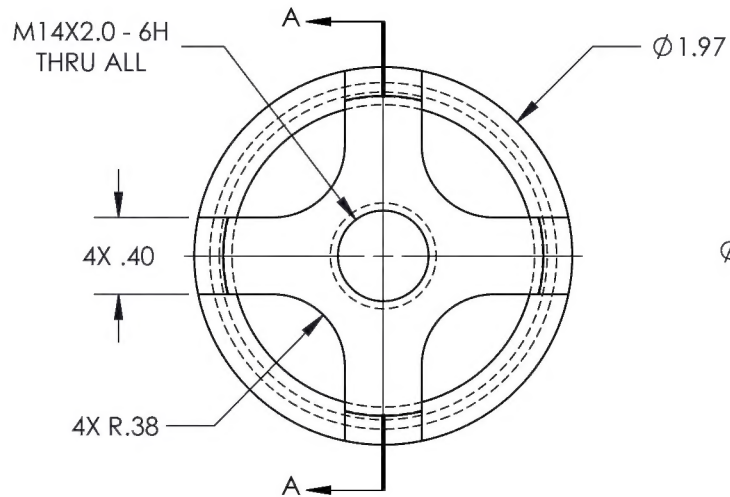
TITLE
FAN FLANGE SEAL REM/INSTL TOOL

DWG NO. RBEM632V3005101 REV 1

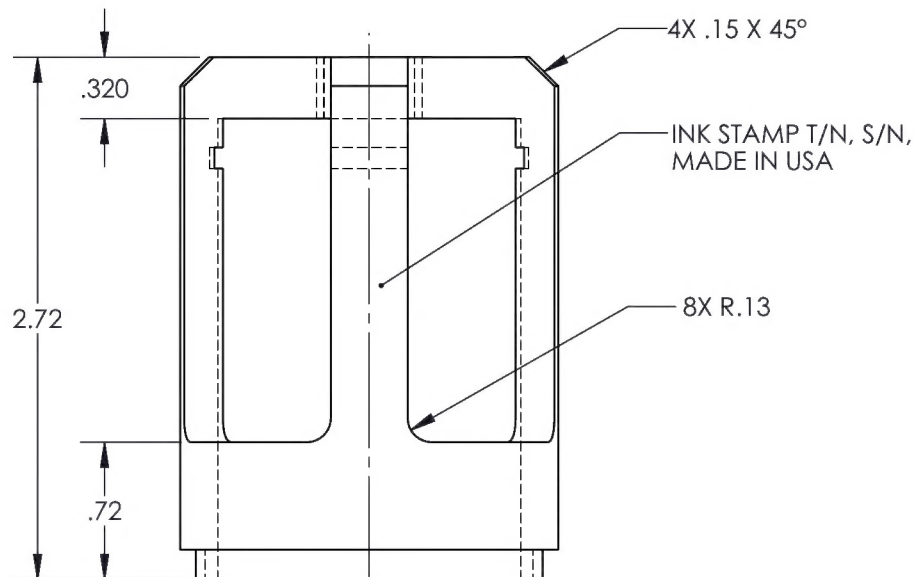
MAT'L		UNLESS OTHERWISE SPECIFIED	
TREAT		DIMENSIONS ARE IN INCHES	
FINISH		.XXX ± .005 FRACTIONS ± 1/8	
SPEC		.XX ± .01 ANGLES ± 5°	
DRAWN BY: CLOUGH		.X ± .1 SURFACES = 125°	
CHECKED: DUERFELDT		1. BREAK ALL SHARP EDGES	
OPPS APPR: ANDERSON		.015 x 45° OR .015R	
QA APPR: LINDSAY		2. DIMENSIONAL LIMITS APPLY	
APPROVED: GILBERT		AFTER PLATING	
SCALE 1:4		3. INTERPRET DIM AND TOL PER	
DATE 12/2/2015		ASME Y14.5M-2009	
		USED ON MODEL	
		H175	
		SHEET 1 OF 12	

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				APPROVED



SECTION A-A



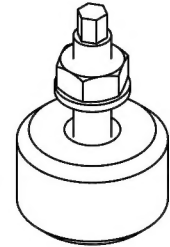
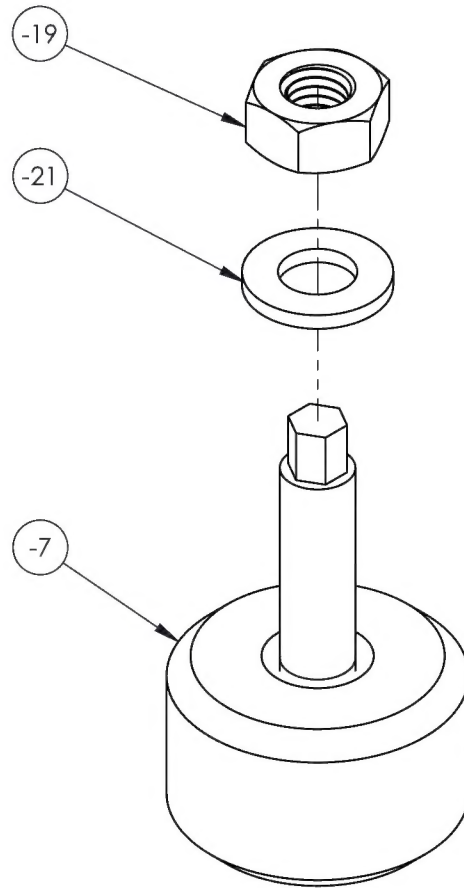
(-1)
BODY

- NOTES:
- DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC 2
2ND: POWDER COAT YELLOW, FED # 13538
 - NO PAINT THIS SURFACE.

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-1	REV 1
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT FINISH SEE NOTE 1	.XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:1	DATE 12/1/2015
SHEET 2 OF 12	

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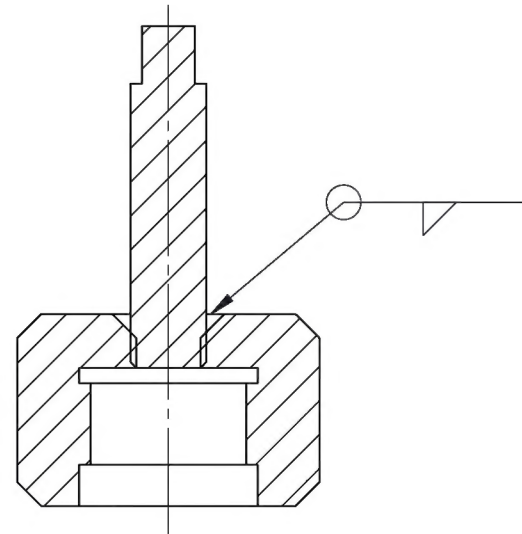
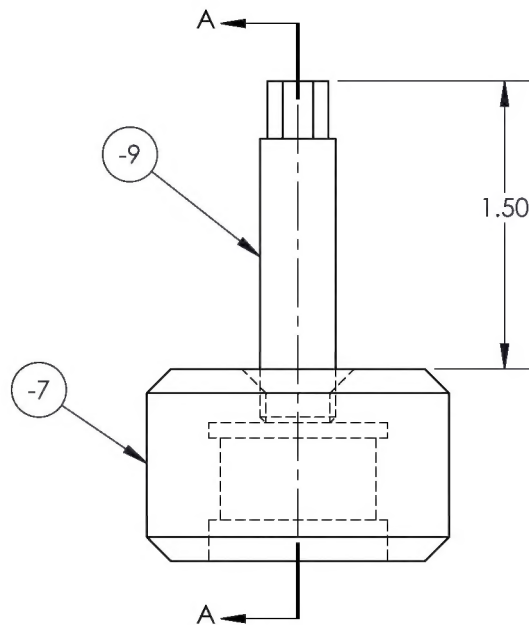
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SUPPORT RING ASSEMBLY

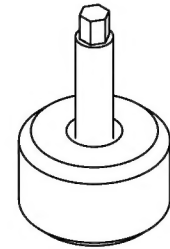
DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-3	REV 1
MAT'L REAR TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	
APPROVED: GILBERT	
SCALE 1:1	DATE 12/2/2015
SHEET 3 OF 12	

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REVISIONS				
REV	ECR	DESCRIPTION	DATE	INITIAL
				APPROVED



SECTION A-A



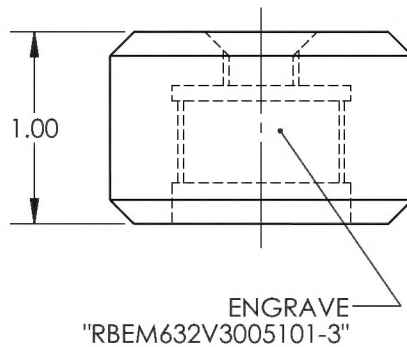
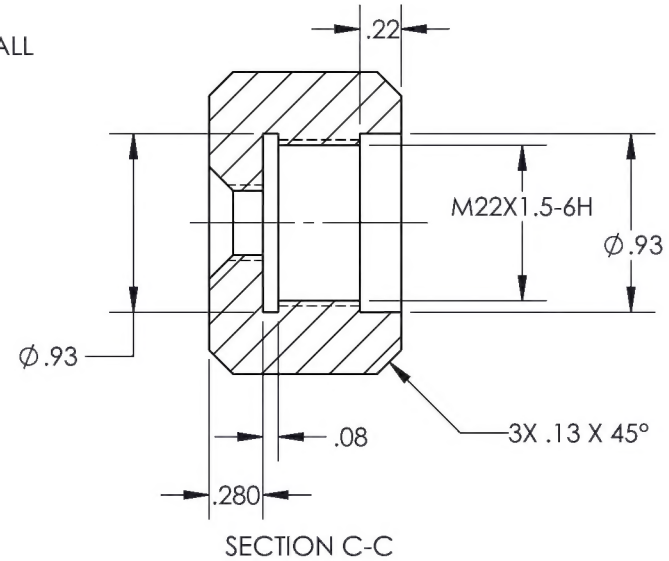
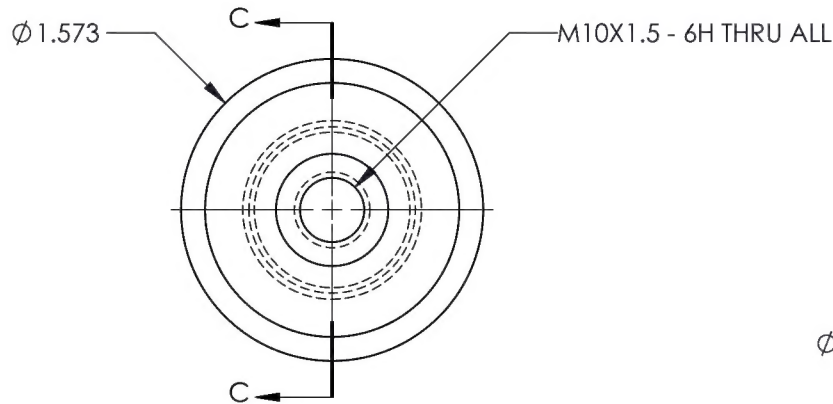
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SUPPORT RING WELDMENT

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-5	REV 1
MAT'L HEAT TREAT FINISH ZINC PLATE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
SPEC ASTM B633 TYPE I SC 2	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:1	DATE 12/1/2015
SHEET 4 OF 12	

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				APPROVED

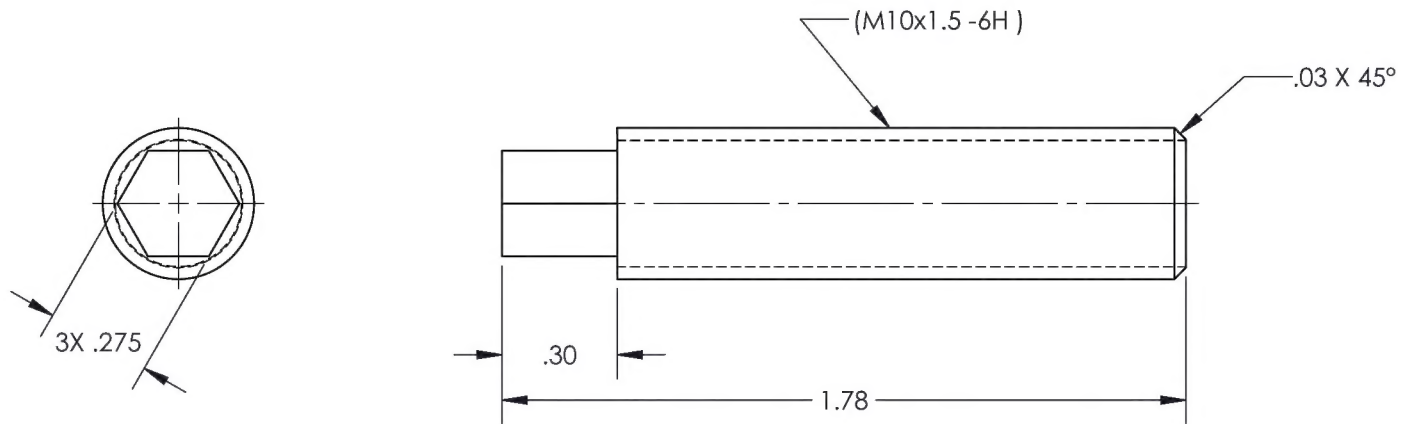
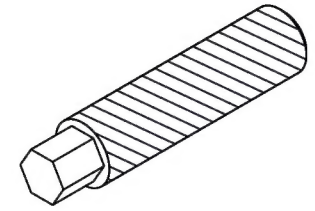


(-7)
SUPPORT RING

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-7	REV 1
MAT'L 4140/4142 HEAT TREAT FINISH SEE -3 WELDMENT SPEC DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPTS APPR: ANDERSON QA APPR: LINDSAY APPROVED: GILBERT	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125° 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL H175	
SCALE 1:1	DATE 12/1/2015
SHEET 5 OF 12	

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				APPROVED

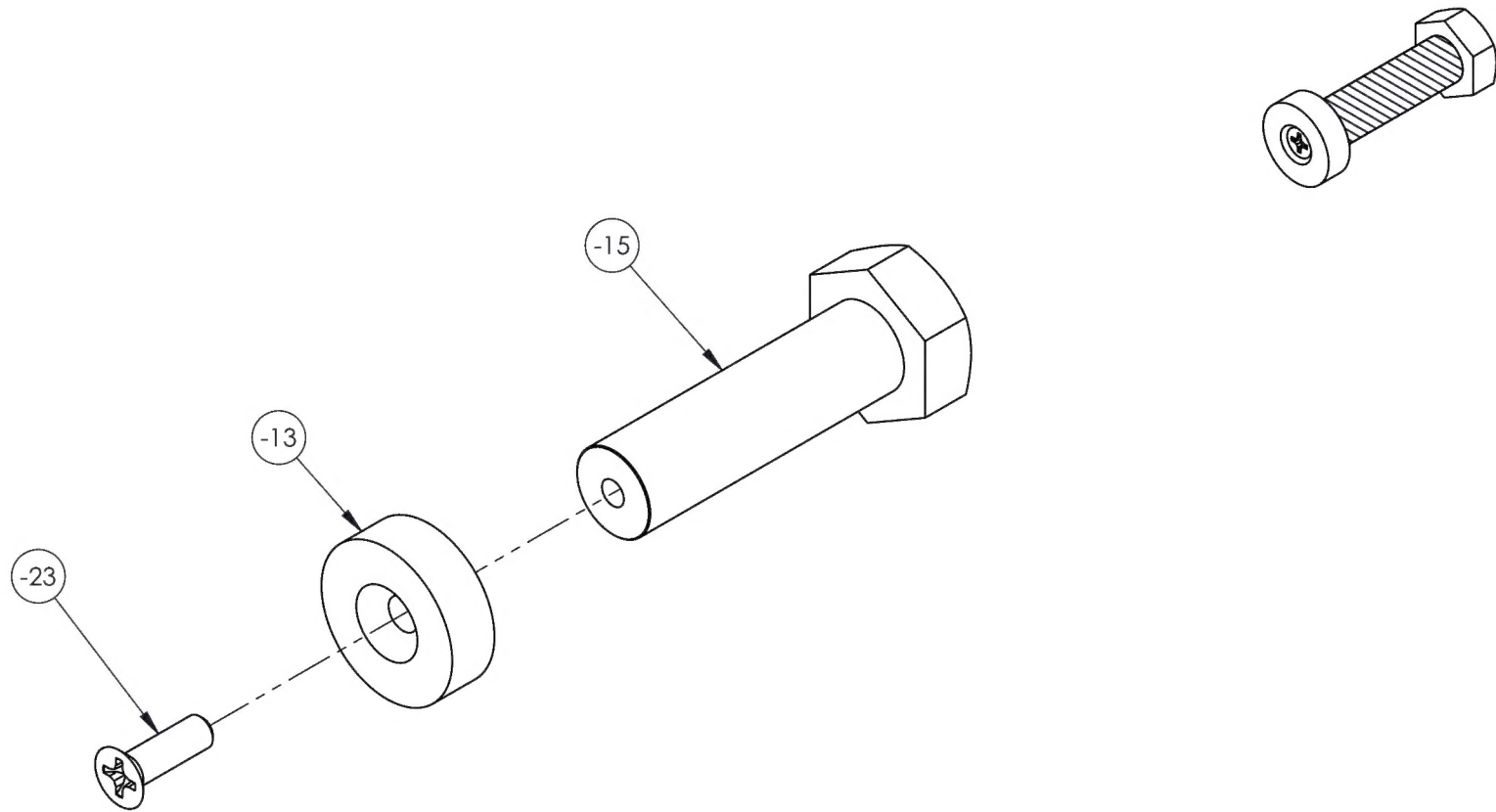


(-9)
SCREW

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-9	REV 1
MAT'L STEEL	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -3 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
	.X ± .1 SURFACES = 125/
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 12/1/2015
	SHEET 6 OF 12

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				APPROVED

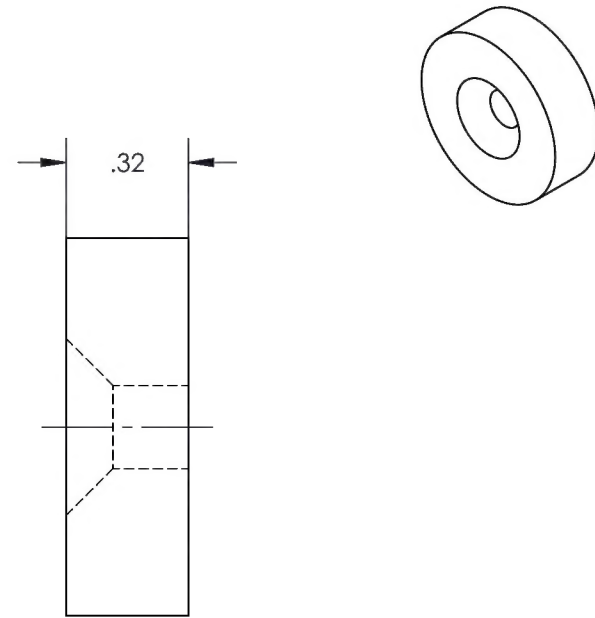
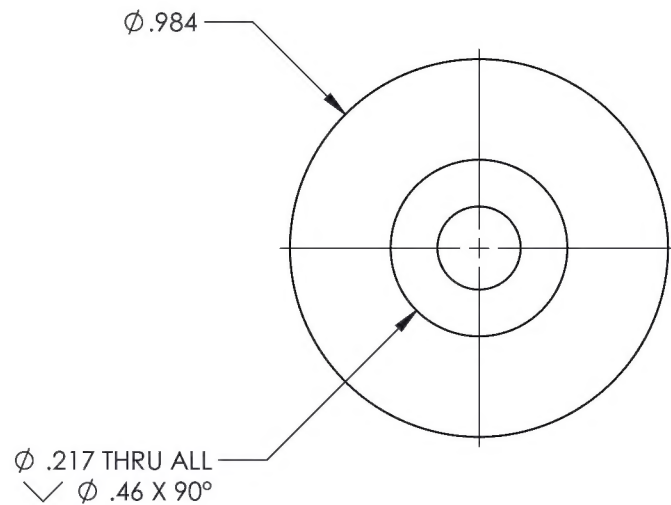


(11)
PRESS

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-11	REV 1
MAT'L FRT TREAT FINISH	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± .5° .X ± .1 SURFACES = 125°
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	H175
APPROVED: GILBERT	
SCALE 1:1	DATE 12/1/2015
SHEET 7 OF 12	

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				APPROVED

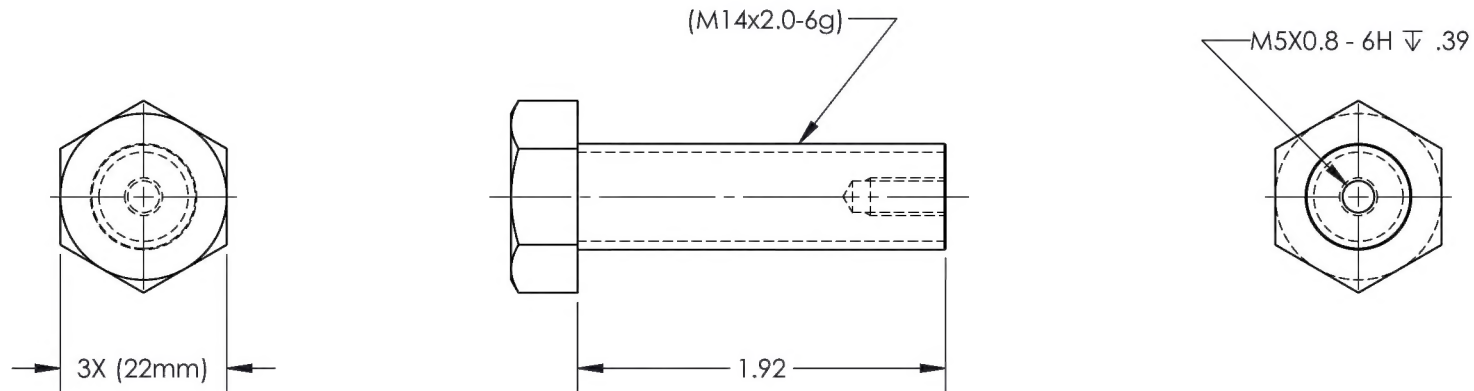
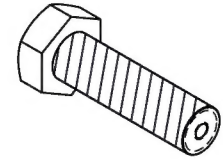


(-13)
DISC

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-13	REV 1
MAT'L WHITE DELRIN	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125° ✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 2:1	DATE 12/1/2015
	SHEET 8 OF 12

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				APPROVED



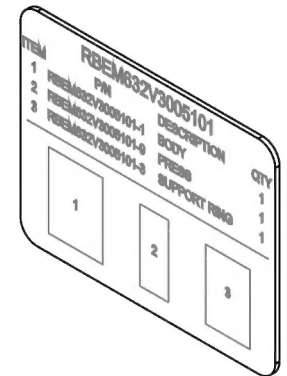
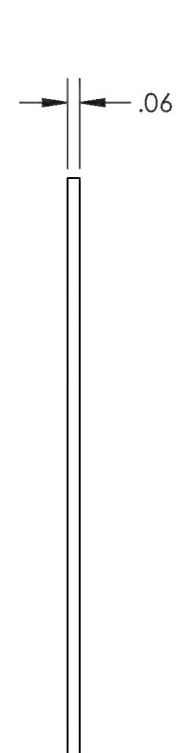
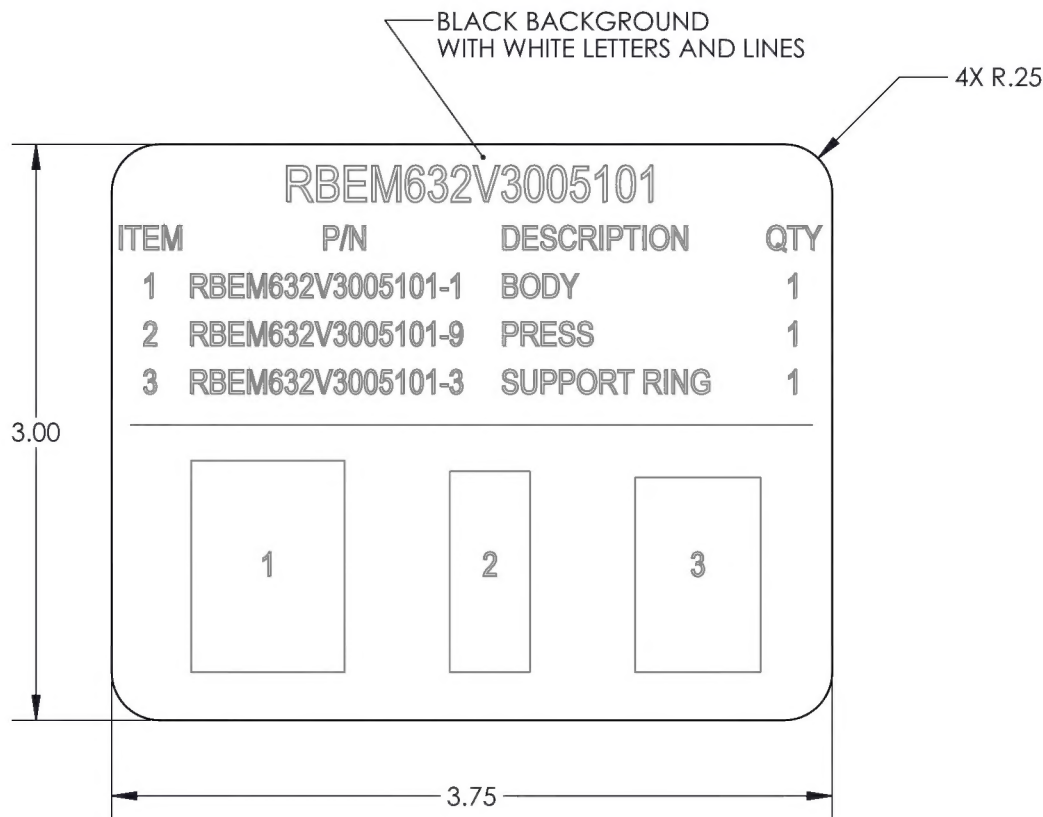
(15)

HEX HEAD CAP SCREW

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-15	REV 1
MAT'L S.S.	UNLESS OTHERWISE SPECIFIED
HEAT TREAT	DIMENSIONS ARE IN INCHES
FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: GILBERT	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
	USED ON MODEL
	H175
SCALE 1:1	DATE 12/1/2015
	SHEET 9 OF 12

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REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED



NOTE:
USE PDF.

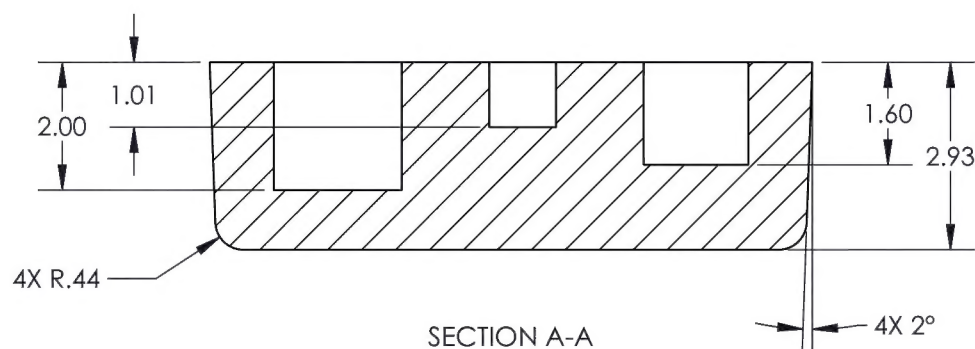
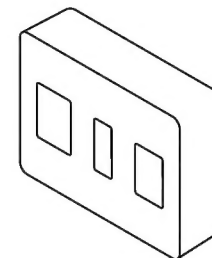
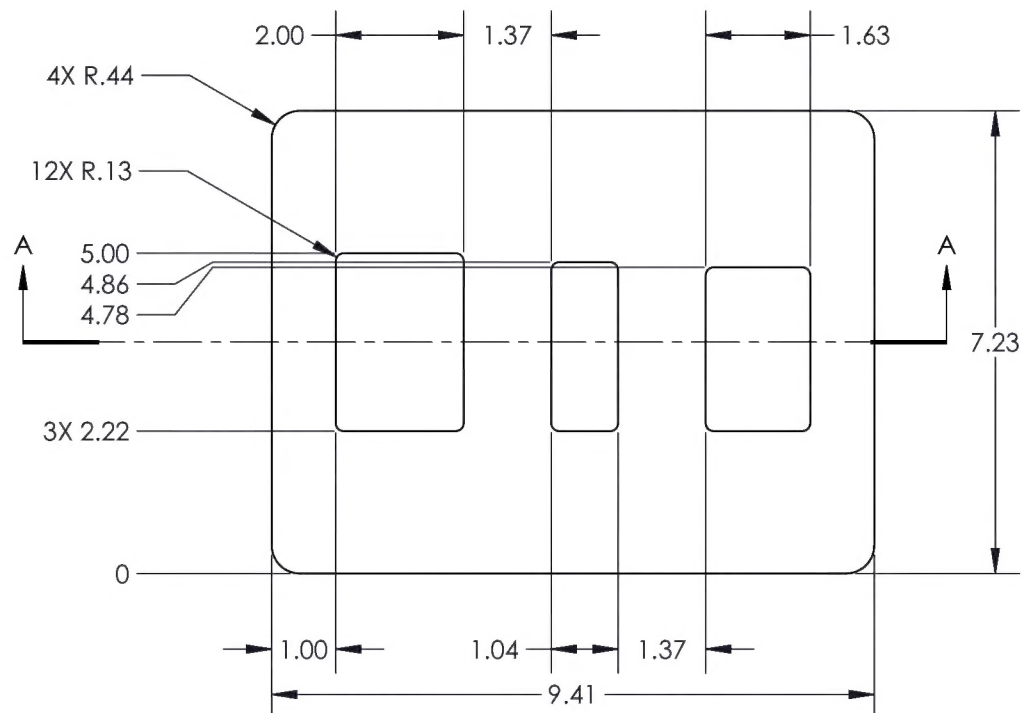
(-17)

LOCATION PLACARD

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-17	REV 1
MAT'L PLASTIC	UNLESS OTHERWISE SPECIFIED
HEAT TREAT FINISH	DIMENSIONS ARE IN INCHES
SPEC	.XXX ± .010 FRACTIONS ± 1/8
DRAWN BY: CLOUGH	.XX ± .03 ANGLES ± 1°
CHECKED: DUERFELDT	.X ± .1 SURFACES = 125°
OPPS APPR: ANDERSON	1. BREAK ALL SHARP EDGES
QA APPR: LINDSAY	.015 x 45° OR .015R
APPROVED: GILBERT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
SCALE 1:1	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
DATE 12/2/2015	USED ON MODEL
SHEET 10 OF 12	H175

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REVISIONS			
REV	ECR	DESCRIPTION	DATE



SECTION A-A

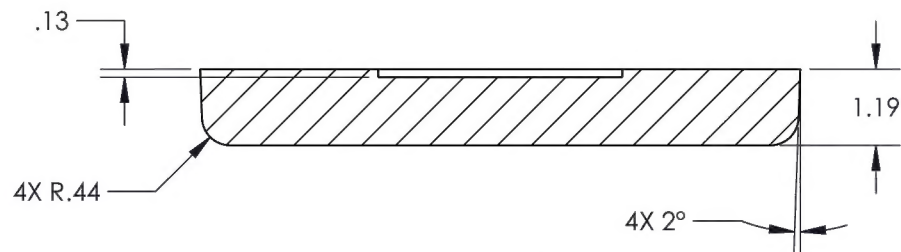
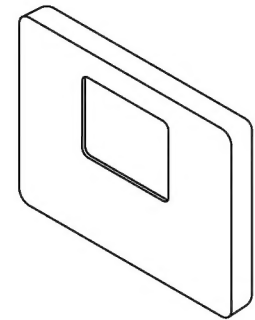
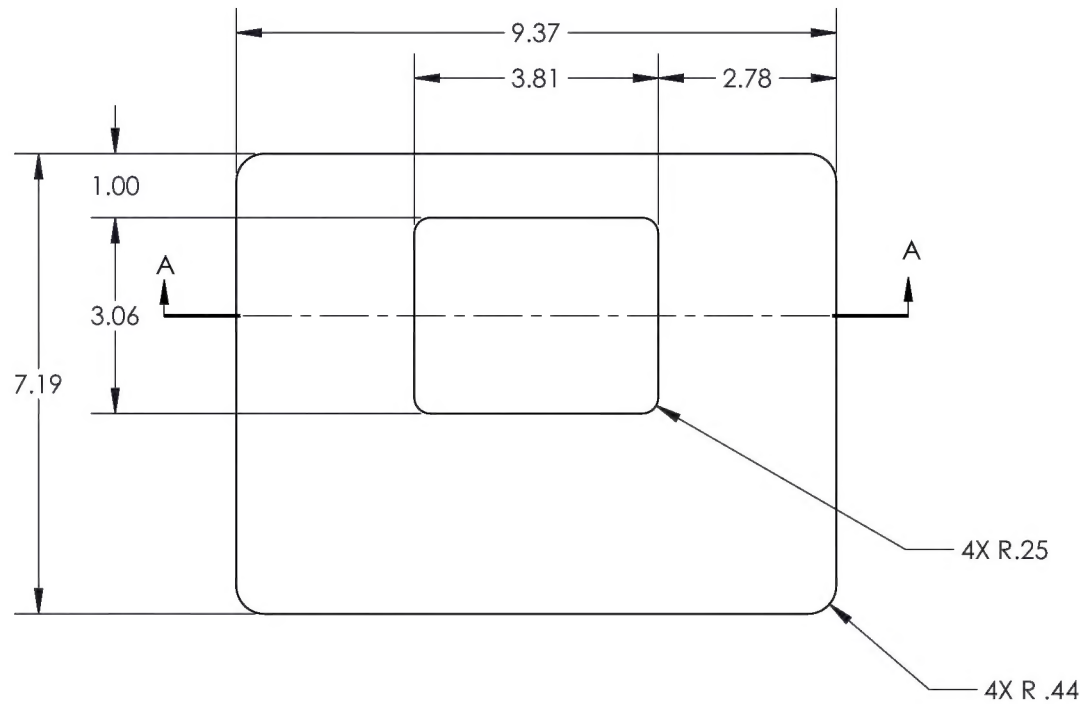
(-27)

BOTTOM FOAM

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-27	REV 1
MAT'L Y20 BLACK HEAT TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL H175	
SCALE 1:3	DATE 12/2/2015
SHEET 11 OF 12	

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				APPROVED



SECTION A-A

(-29)

LID FOAM

DART AEROSPACE	
TITLE FAN FLANGE SEAL REM/INSTL TOOL	
DWG NO. RBEM632V3005101-29	REV 1
MAT'L Y20 BLACK TREAT FINISH SPEC	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125° ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
DRAWN BY:	CLOUGH
CHECKED:	DUERFELDT
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL H175	
SCALE 1:3	DATE 12/2/2015
SHEET 12 OF 12	